NWS Form E-5 (04-2006) (PRES. BY NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) **San Angelo, TX**
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		REPORT FOR: MONTH **June** YEAR **2009**
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE Jason Johnson DATE **July 16, 2009**

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

X An X inside this box indicates that no flooding occurred within this hydrologic service area.

An active weather pattern during the month brought scattered rainfall across the HSA. Many areas received much needed rainfall, but generally most areas received below normal amounts for the month of June. While the month of May was ending and June was beginning, showers and thunderstorms covered much of the Concho Valley and portions of the Big Country and Northern Edwards Plateau. Isolated areas in northwestern Tom Green County and along the Sterling / Coke County line received just over three inches of rain. Much of the Concho Valley received 0.5 to 1.5 inches of rain.

On the 2nd of the month, a cold front approached the region causing thunderstorms that produced scattered areas of moderate to heavy rain across the southern Big Country, Concho Valley and Heartland. A few isolated areas received up to four inches of rain.

Later on the 9th and 10th, thunderstorms produced showers across much of the Big Country where wide spread rainfall amounts of 0.50 to one inch were reported. A few areas received up to 2 inches of rain.

These storms left weak boundaries across the region and late on the 11th, additional storms developed across the Heartland and Northwest Hill Country. In addition to hail and wind, one to three inches of rain fell across parts of McCulloch, San Saba and Mason Counties.

Another round of thunderstorms across the northern Big Country occurred on the 12th and produced heavy rain mainly over Haskell County. Areas in Haskell County received 1.5 to 2.5 inches of rain.

During the middle of the month, the atmosphere stabilized as a high pressure system settled over the southern US. A record temperature of 108 degrees was reached at San Angelo on the 13th.

A tropical depression moved slowly toward mainland Mexico south of Baja during the period from the 18th to 19th. Abundant moisture streamed northward into west central Texas from the tropical depression to the south. Several short waves interacted with the deep tropical moisture to produce rain showers across the western half of the HSA for several days. Areas in southern Crockett County received over four inches of rain.

Toward the end of the month (28th – 30th) more rainfall was generated as a weak cold front moved down into west central Texas and stalled. The rainfall was widely scattered. The heavier amounts occurred from north of Winters to south of Brownwood where 1.5 to 5 inches fell.

The average precipitation reported from coop observers in June was 2.67 inches. The highest monthly precipitation total of 6.39 inches was reported in Northwest Tom Green County. Coop observers in Coleman, Crockett, Haskell, San Saba, Taylor and Tom Green Counties received over 4.00 inches of rain in June.

The San Angelo Regional Airport received 1.74 inches of precipitation during June, which was 0.78 of an inch below normal for the month. The monthly normal rainfall for San Angelo in June is 2.52 inches.

The Abilene Regional Airport received 2.68 inches of precipitation during June, which was 0.38 of an inch below normal for the month. The monthly normal rainfall for Abilene in June is 3.06 inches.

Junction received 1.12 inches of rain during June. The estimated average monthly rainfall in June is about 3.75 inches.

Coop Observer Rainfall Totals for June, 2009:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	4.04		Mertzon 12NNW	2.06
Acton Ranch	4.76		Ozona	1.59
Albany	2.73		Ozona 2	3.74
Ballinger 2NW	1.54		Ozona 22SE	2.11
Brownwood	3.99		Paint Rock	2.69
Burkett	4.82		Putnam	2.42
Coleman	2.97		Red Bluff Crossing	2.84
Concho Park	1.70		Robert Lee	0.69
Eden	1.07		Rotan	1.91
Eldorado	0.85		San Angelo WFO	2.14
Eldorado 10W	0.45		Santa Anna 12SSE	1.98
Fort McKavett	0.32		Silver Valley	3.38
Glen Cove 2NE	1.87		Sonora	2.10
Haskell	4.53		Sterling City	3.79
Humble Pump	1.66		Throckmorton 7NE	3.98
Junction 4SSW	0.68		Water Valley	6.16
Lawn	4.94		Water Valley 11NE	6.39
London 3N	0.45		Winters	3.10
Menard	0.18		Woodson	1.74
Merkel 12SW	4.16			
			(M) *Missing data*	
			(T) *Trace*	

Reservoir Conditions (end of June, 2009)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	53,810	77
Lake Stamford	52,700	37,810	73
Hubbard Creek Lake	317,800	240,670	76
Hords Creek Lake	8,800	4,510	56
Lake Brownwood	131,428	95,820	73
E.V. Spence	488,760	39,120	8
O.C. Fisher	119,200	4,930	4
O.H. Ivie	554,340	270,300	49
Twin Buttes	177,800	50,720	29

Hydro Products Issued

FFA = 4
FFW = 7
FFS = 4
FLS = 22 (Urban/Small Stream Advisory)
DGT = 1
ESF = 1

The NWS precipitation analysis can be viewed at http://water.weather.gov/.

The total monthly precipitation estimate and percent of normal precipitation for June across the San Angelo HSA is depicted below.